

Title (en)
IMAGING SYSTEM AND REPRODUCING SYSTEM

Title (de)
ABBILDUNGSSYSTEM UND WIEDERGABESYSTEM

Title (fr)
SYSTEME D'IMAGERIE ET SYSTEME DE REPRODUCTION

Publication
EP 1555809 A1 20050720 (EN)

Application
EP 03753990 A 20031002

Priority
• JP 0312653 W 20031002
• JP 2002291562 A 20021003

Abstract (en)
An image pickup system according to the present invention includes an extracting unit for extracting a block area with a predetermined size from a signal of an image pickup device, a transforming unit for transforming the signal in the extracted block area into a signal in a frequency space, an estimating unit for estimating the amount of noises of a frequency component except for a zero-order component based on the zero-order component in the transformed signal in the frequency space, a noise reducing unit for reducing noises of the frequency component except for the zero-order component based on the estimated amount of noises, and a compressing unit for compressing the zero-order component and the frequency component except for the zero-order component from which the noises are reduced. <IMAGE>

IPC 1-7
H04N 5/21

IPC 8 full level
G06T 5/00 (2006.01); **H04N 1/409** (2006.01); **H04N 5/21** (2006.01); **H04N 23/12** (2023.01)

CPC (source: EP US)
H04N 5/21 (2013.01 - EP US); **H04N 19/117** (2014.11 - EP US); **H04N 19/136** (2014.11 - EP US); **H04N 19/186** (2014.11 - EP US); **H04N 19/1883** (2014.11 - EP US); **H04N 19/527** (2014.11 - EP US); **H04N 19/59** (2014.11 - EP US); **H04N 19/60** (2014.11 - EP US); **H04N 19/63** (2014.11 - EP US); **H04N 25/60** (2023.01 - US); **H04N 25/618** (2023.01 - EP)

Cited by
US8310566B2; US8194160B2

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)
EP 1555809 A1 20050720; **EP 1555809 A4 20081210**; CN 100405824 C 20080723; CN 1703900 A 20051130; JP 2004128985 A 20040422; JP 3893099 B2 20070314; US 2006050157 A1 20060309; US 2009073288 A1 20090319; US 2009086062 A1 20090402; US 7598989 B2 20091006; US 7847841 B2 20101207; US 8040401 B2 20111018; WO 2004032486 A1 20040415

DOCDB simple family (application)
EP 03753990 A 20031002; CN 200380100881 A 20031002; JP 0312653 W 20031002; JP 2002291562 A 20021003; US 27676008 A 20081124; US 27679708 A 20081124; US 53008505 A 20051003